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| Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) Maulbeerstrasse 9 CH-3003 Bern Switzerland | Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD) | FOCA AD HB-2004-330 |
| Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date 23 August 2004 | PILATUS - PC-12 FOCA TC/TCDS No: F56-30 ATA 32 - LANDING GEAR | |

Issue date: 18 August 2004

Subject: **MAIN LANDING GEAR ACTUATOR - Replacement**

Superseded/Revised ADs: Not applicable

1. APPLICABILITY:

PILATUS AIRCRAFT LTD.

All Model PC-12 and PC-12/45 airplanes, Manufacturer Serial Numbers (MSN) 101 thru MSN 560 equipped with main landing gear (MLG) actuators Part Numbers (P/Ns): 960.30.01.103 with Serial Numbers (S/Ns): 830E thru 881E inclusive.

NOTE:

MLG-actuators P/N 960.30.01.103 with S/N 830E thru 881E inclusive where installed in PC-12 Series airplanes MSN 482 thru MSN 509 inclusive during manufacture. It is possible that these components could have been removed and then installed in other PC-12 or PC-12/45 airplanes.

2. REASON:

It has been found that some components of MLG actuators P/N 960.30.01.103 with certain serial numbers have had incorrect heat treatment during manufacture. Components in this condition can decrease the specified fatigue life of the actuators.

In order to correct the condition described, this Airworthiness Directive (AD) requires an inspection to determine the serial number of the main landing gear actuator and replacement of certain main landing gear actuators with improved parts.

3. COMPLIANCE / ACTION:

Required as indicated below, unless already accomplished:

Prior to the accumulation of 1000 hours time-in-service (TIS) on the MLG- actuators, but not later than 12 months after the effective date of this AD:

3.1. INSPECTION / REPACEMENT

3.1.1. Do an inspection of the left and right MLG-actuators P/N 960.30.01.103 to determine the component serial number.


3.1.2. If during the inspection required by paragraph 3.1.1 any MLG-actuators P/N 960.30.01.103, with S/Ns 830E thru 881E inclusive is found; replace the MLG-actuator with a MLG-actuator which has a S/N other than 830E thru 881E.

4. PARTS INSTALLATION:

4.1. As of the effective date of this AD, no person shall install any main landing gear actuator P/N: 960.30.01.103, with S/Ns 830E thru 881E inclusive, on any Model Pilatus PC-12 Series airplane.

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5. REF. PUBLICATIONS:

The actions required by this AD shall be done in accordance with the manufacturer's documentation listed in this paragraph, and/or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA):

Manufacturer's Documentation

- PILATUS PC-12 Service Bulletin No. 32-017, dated 03 August 2004

The applicable manufacturer's documentation may be obtained directly from:

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| PILATUS AIRCRAFT LTD. | TEL No.: +41 41 619 6208 |
| CH-6371 STANS, Switzerland | FAX No.: +41 41 619 7311 |
| CUSTOMER SUPPORT MANAGER | Email: SupportPC12@pilatus-aircraft.com |

6. FOR FURTHER INFORMATION CONTACT:

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)

Type Certification (MZ)

Maulbeerstrasse 9

CH-3003 Berne, Switzerland

FAX No.: +41 31 325 9324 (or)

FAX No.: +41 31 322 5918

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